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(54) **GAZE TRACKING APPARATUS AND SYSTEMS**

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(57) **ABSTRACT**

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A head-mountable display (HMD) system includes at least one detector to detect movement of an eye of a user wearing the HMD, control circuitry to detect saccadic movement of the eye in dependence upon the detected movement of the eye, a display unit and a processor to generate images for display to the user by the display unit, in which the control circuitry is configured to control the processor in response to the detected saccadic movement, in which the control circuitry is configured to control the processor to adjust one or more image quality parameters for one or more of the images to be displayed by the display unit during the detected saccadic movement.

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